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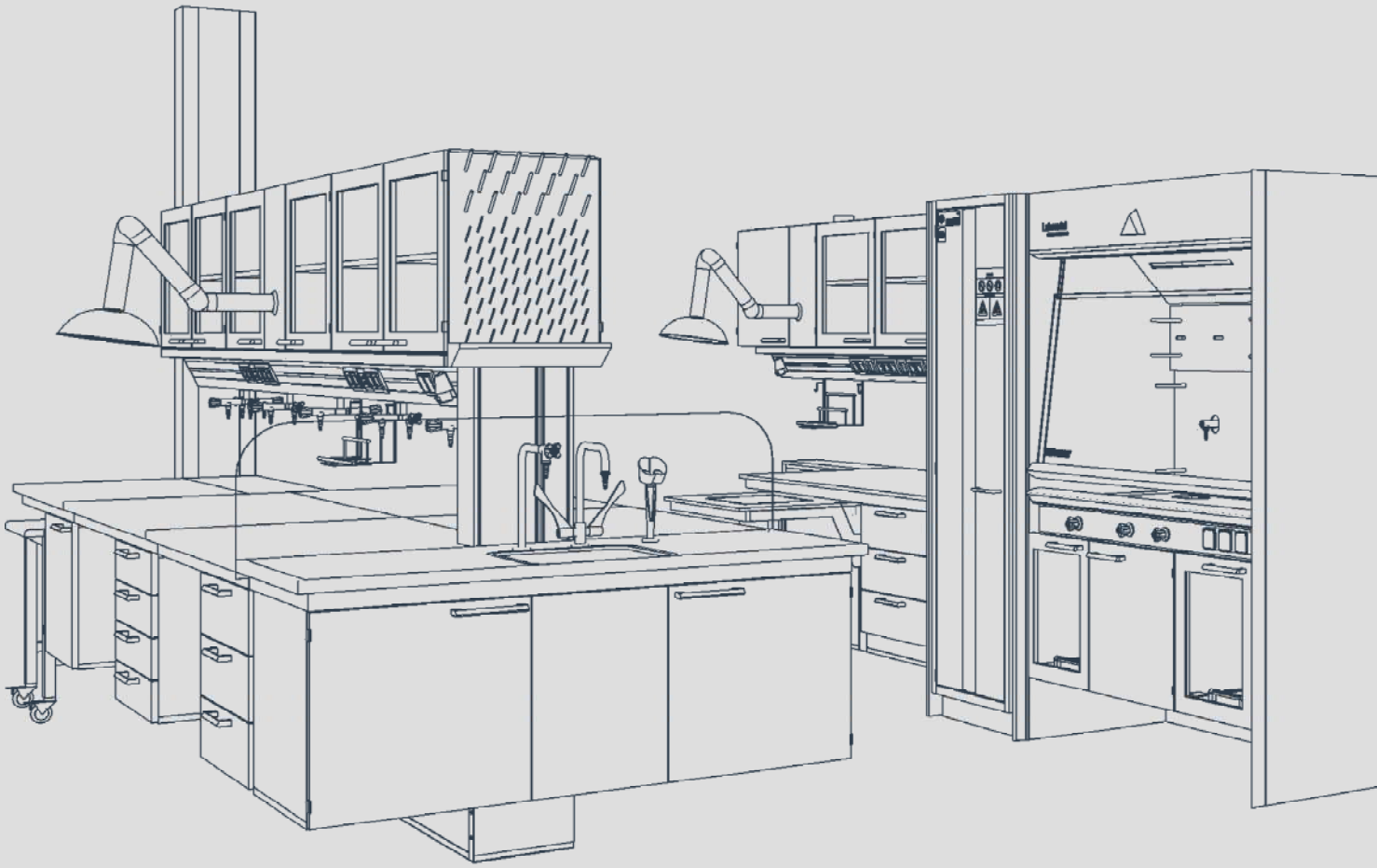

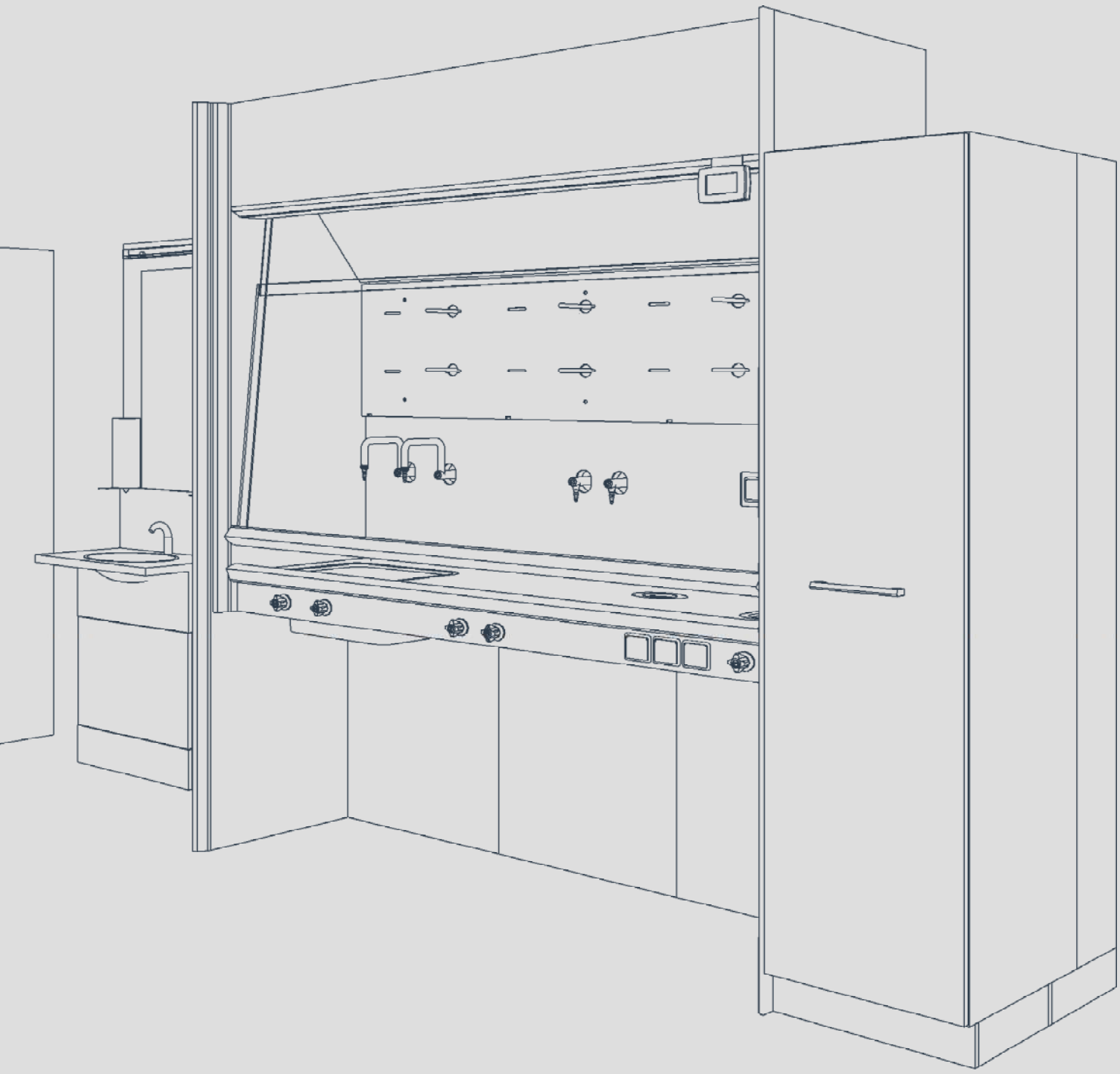


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EXTRACTION ARMS

LABMODUL EXTRACTION ARMS

- Cleaner working
- High flexibility
- User-friendly
- High load capacity
- Easy to clean
- Robust and durable

Local Exhaust for a cleaner working environment
Installation of individual fume extraction systems at the source of the pollutant during the working process prevents the spread of polluted air into the surroundings. A local exhaust system is, therefore, the best solution for a clean working environment.

User-friendly extraction arm
Fume extraction arms are self-sustaining with internally threaded stays and bearing springs. This construction constitutes a very user-friendly fume extraction arm that is easy to adjust to the source of the pollutant during the working process.

Easy maintenance and long durability
The only maintenance for an extraction arm needs is to clean it according to the requirements. It is easy to disassemble the arm and reassemble it after cleaning without the need for tools.

Extraction arms are made of high-quality materials ensuring easy maintenance and long durability.

All plastic parts are made of shock-proof Polypropylene (PP). The internal and external surfaces of all brackets are powder coated.

Threaded stays, springs, and finger screws are made of acid-proof stainless steel ensuring long durability in aggressive environments.
All O-rings are maintenance-free.

Measurements of pressure drop and efficiency
The Danish Technological Institute has measured the sound level, pressure drop, and efficiency of the extraction arms and hoods. Please contact Labmodul or visit for test results, dimensioning diagrams, and installation heights.

Flexible program

Standard aluminum extraction arms (AL) are well fitted for working areas without special demands for chemical resistance or conductive properties.

The tubes are made of anodized aluminum and the joints are cast of impact-proof polypropylene (PP). The extraction arms can be delivered with a suction tip or hoods of various materials.

Antistatic extraction arms (AS) differ considerably from the other types of materials, because both tubes and joints are made of impact-proof, conductive polypropylene (PP).

System 75 AS and System 100 AS have both been tested and approved for use in EX areas (ATEX) in accordance to IEC 13463-1 and IEC 61430-4-1 and are marked: EX II 1 GD

These extraction arms are delivered-with an earth connection. As they are tested and approved for use in ESD areas in accordance to IEC 61430 5-1 as well, the extraction arms are delivered with a 1MΩ resistance earth connection.

The nozzle for the antistatic extractions arm is made of conductive polypropylene (PP) and is delivered with a hood of either TCP-coated aluminum or vacuum formed conductive polypropylene (PP).

The chemical resistant extraction arms (PP) is used in aggressive working environments with special demands for chemical resistance, i.e. by exhaustion of heavy chemical fumes.

The internal parts of the chemical resistant extraction arms are made of acid-proof stainless steel (AISI 316L). The tubes are made of white impact-proof polypropylene (PP) a plastic material resistant to many different chemicals, a contributing factor in making the extraction arms last for a very long time in aggressive working environments.

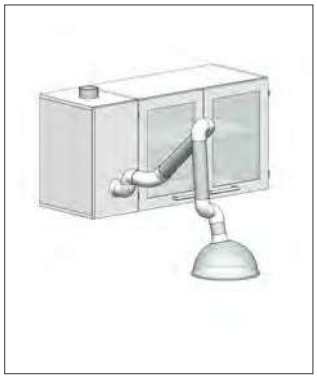
Material Variants

The systems work with three different material variants, each with its application. Selection of the extraction arm, it is important that you take a position on which material is best suited for your pollution and your work environment.

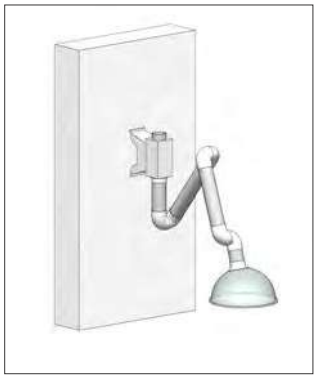
Material variants				
System	Dimensions	Alluminium **(AL)**	Antistatic **(AS)**	Chemical Resistant **(PP)**
System 50	Ø50 mm	●	●	
System 50 FLEX	Ø50 mm	●	●	
System 63	Ø63 mm			●
System 75	Ø75 mm	●	●	●
System 75 TELESKOP	Ø75/Ø100 mm	●		
System 100	Ø100 mm	●	●	●

Models

Deck mounted



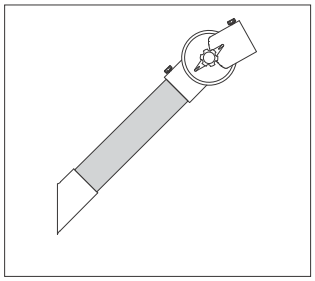
Cabinets mounted



Wall mounted

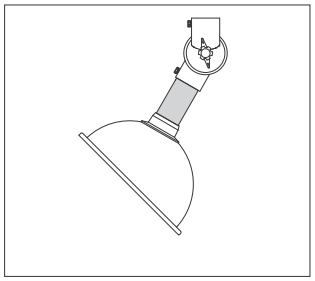
Ceiling mounted

Suction Pens and Hoods



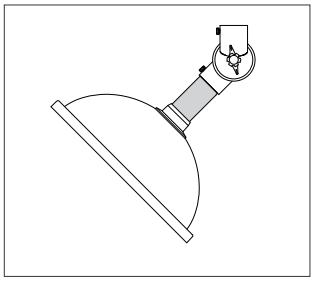
Suction pen
recommended for small concentrated sources of pollution.

- High efficiency as the extractor tube gets close to the source without obstructing the work process
- Tube and tip made of chemical resistant polypropylene (PP)
- Funnel of the tube in order to increase the capture efficiency
- Length: 210-250 mm
- Colour: white.



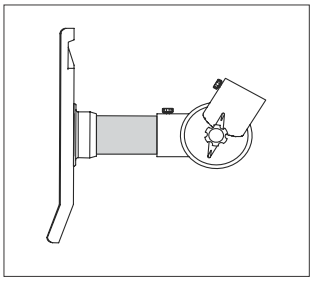
Round hood
recommended for light fumes, gases and over small open vessels.

- Diameter of hood: Ø280 mm
- Increased stability when moving the hood due to the reinforced rim of the hood
- Hood made of transparent PETG, resistant to solvents
- Connection tube made of chemical resistant polypropylene (PP)
- The transparent hood assists in keeping a good view of the workpiece.



Round hood
recommended for light fumes, gases and over open vessels.

- Diameter of hood: Ø385 mm
- Increased stability when moving the hood due to the reinforced rim of the hood
- Hood, flange, and connection tube made of chemical resistant polypropylene (PP).



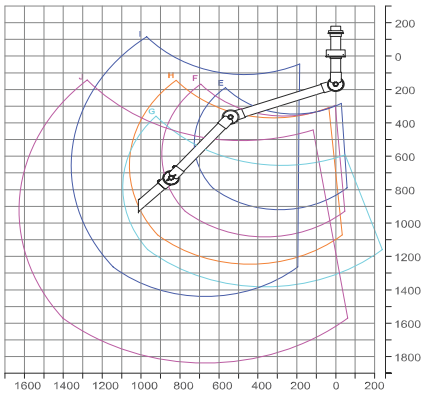
Flat screen
recommended when extracting heavy fumes and gasses.

- Dimension of the hood: 330x240 mm
- Increased capture efficiency when placed vertically on a surface
- Hood, flange, and connection tube made of chemical resistant polypropylene (PP)
- Gets close to the source without obstructing the work process.

The working area

The working area of the arm is defined from the center of the opening of the accessory. The working area changes according to the type of accessory and positioning.

When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.



System 50

Air volumes between 45-85 m³/h.
System 50 is applicable in trades with small pollution sources and small amounts of pollution such as the electronics industry, laboratories, dental clinics, laser techniques, classrooms in schools, hairdressing schools, hairdressing salons, nail salons, decorator workshops, and goldsmith's workshops.

System 50 Hoods - Ø50 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m³/time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	765	45 m³	65 m³	85 m³	50-3727-1-5
	945				50-4737-1-5
	1125				50-5747-1-5
	1425				50-8747-1-5
Cabinets mounted Wall mounted Ceiling mountedt	750	45 m³	65 m³	85 m³	50-3727-3-5
	910				50-4737-3-5
	1125				50-4767-3-5
	1080				50-5747-3-5
	1380				50-8747-3-5
	1660				50-8787-3-5

System 50 Flex

Air volumes between 45-85 m³/h.
System 50 Flex is applicable in trades with small pollution sources such as the electronics industry, laboratories, nail salons, and decorator workshops.

System 50 FLEX Hoods - Ø50 mm					
Assembly form Numbers og joints	Lench (mm)	Airflow m³/time			Article No.
		Minimum	Normal	Maximum	
Deck mounted 1-joints	700	45 m³	65 m³	85 m³	50-21-1-23-5
Deck mounted 2-joints	900	45 m³	65 m³	85 m³	50-3721-1-23-5

Hoods

Tube dimension: Ø50
For variants for anti-static and chemical use, contact Labmodul for further information.

Suction Pens and Hoods - Ø50 mm		
Suction Pens	Length (mm)	Article No.
	210	1-5021-5
Hoods	Dimension (mm)	
	250	1-5028-5
	385	1-5035-5
	330 x 240	1-503324-5

System 63

Air volumes between 60-120 m³/h

System 63 is made of a chemical-resistant material and is, therefore, particularly applicable in trades with aggressive work environments, such as hairdressing salons, laboratories, hospitals, chemical industries, pharmaceutical industry as well as food industries.

For System 63, we have supplemented the range of hoods with 4 of our most popular hoods which are not chemical resistant. Therefore, System 63 is also applicable to elementary schools and dental clinics.

System 63 Hoods - Ø63 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m³/time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	800	60 m³	90 m³	120 m³	63-3535-1-5
	1080				63-5545-1-5
Cabinets mounted Wall mounted Ceiling mountedt	760	60 m³	90 m³	120 m³	63-3535-3-5
	1120				63-3590-3-5
	1025				63-5545-3-5
	1190				63-6555-3-5
	1500				63-9065-3-5

Hoods

Dimensions: Ø63

The selection of hoods covering both chemical-resistant screens and PETG monitors for general use. The screens are including a pipe outlet.

Contact Labmodul for further information.

Suction Pens and Hoods - Ø63mm		
Suction Pens	Length (mm)	Article No.
	250	1-6325-7-5
Hoods	Dimension (mm)	
	280	1-6328-5
	385	1-6335-5
	330 x 240	1-633324-7-5


PYREX
250 ml

System 75

Air volumes between 80-180 m³/h

System 75 Aluminium is particularly applicable in trades such as laboratories, laser techniques, hospitals, chemical industries, pharmaceutical industries as well as food industries, schools, high schools, universities, and machine shops. In addition, System 75 is also applicable in hairdressing salons, veterinary hospitals, and the electronics industry.

System 75 Hoods - Ø75 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m³/time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	830	80 m³	140 m³	180 m³	75-3535-1-5
	1105				75-5545-1-5
	1290				75-6555-1-5
	1620				75-9065-1-5
Cabinets mounted Wall mounted Ceiling mountedt	795	80 m³	140 m³	180 m³	75-3535-3-5
	1200				75-3590-3-5
	1060				75-5545-3-5
	1230				75-6555-3-5
	1550				75-9065-3-5
	1660				75-9065-3-22-5 [1]
	1730				75-9090-3-5
	1990				75-9090-3-22-5 [2]

1) With one external gas spring. 2) With two external gas springs

System 75 Telescopic

System 75 Telescopic is particularly applicable for stationary workstations such as extraction from vessels or at weighing stations.

The system is made of aluminum pipes and is therefore applicable in work areas with no special requirements for chemical resistance or conductivity.

System 75 TELESCOPIC Hoods - Ø75 mm					
Assembly form	Lench (mm)	Airflow m³/time			Article No.
		Minimum	Normal	Maximum	
Wall mounted	950-1300	80 m³	140 m³	180 m³	900-1300-2
	1300-1900				900-1900-2
Ceiling mounted	900-1300	80 m³	140 m³	180 m³	900-1300-3
	1300-1900				900-1900-3

Hoods

Dimensions: Ø75

The selection of hoods covering both chemical-resistant screens and PETG monitors for general use. The screens are including a pipe outlet.

For variants for anti-static and chemical use, contact Labmodul for further information.

Suction Pens and Hoods - Ø75 mm		
Suction Pens	Length (mm)	Article No.
	250	1-7525
Monitors	Dimension (mm)	
	280	1-7528-5
	385	1-7535-5
	330 x 240	1-753324-5

System 100

Air volumes between 140-400 m3/h

System 100 is applicable in trades with large pollution sources and large amounts of pollution, such as laboratories, hospitals, chemical industries, pharmaceutical industries as well as food industries, universities, and machine shops.

System 100 Hoods - Ø100 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m³/time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	1040	140 m³	270 m³	400 m³	100-4540-1-5
	1185				100-5545-1-5
	1370				100-6555-1-5
	1710				100-9065-1-5 [1]
	2130				100-10585-1-5 [2]
Wall mounted	1040	140 m³	270 m³	400 m³	100-4540-2-5
	1185				100-5545-2-5
	1370				100-6555-2-5
	1710				100-9065-2-5 [1]
	2130				100-10585-2-5 [2]
	2630				100135105-2-5 [2]
Wall mounted	1185	140 m³	270 m³	400 m³	100-5545-3-5
	1370				100-6555-3-5
	1710				100-9065-3-5 [1]
	2130				100-10585-3-5 [2]
	2630				100-135105-3-5 [2]

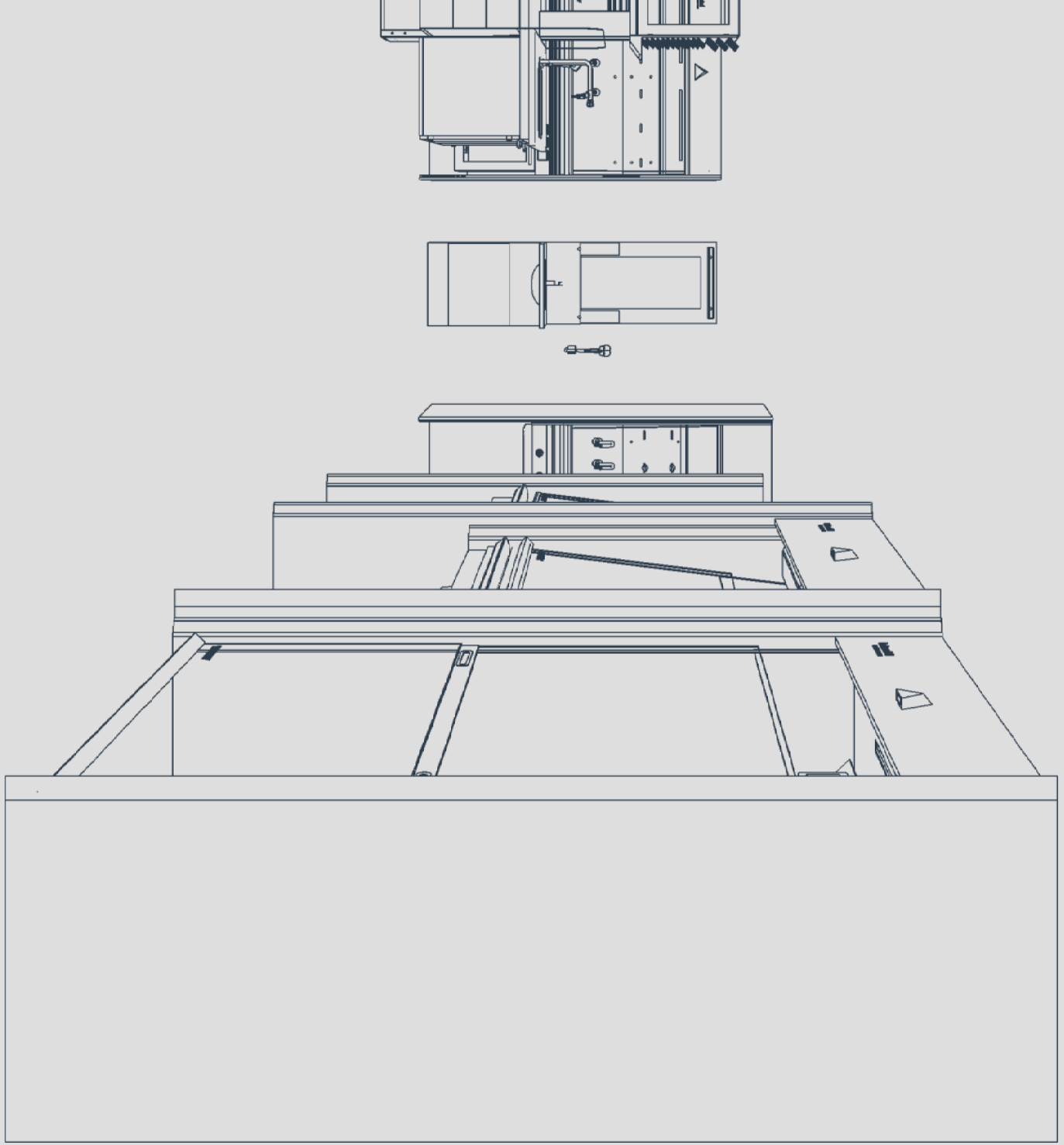
1) With one external gas spring. 2) With two external gas springs

Hoods

Dimensions Ø100 mm Wide range of screens in all three materials:
Aluminum (AL), Anti-static (AS), and Chemical resistant (PP). The screens are included a pipe outlet.

For variants for anti-static and chemical use, contact Labmodul for further information.

Suction Pens and Hoods - Ø100mm		
Suction Pens	Length (mm)	Article No.
	200	1-10024-5
Skærme	Diameter (mm)	
	385	1-10035-5
	500	1-10050-5
	420 x 280	1-1004228-5



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